

## AMENDMENTS TO THE CLAIMS

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2  
3 1. (Currently Amended). An electronic shower temperature  
4 display ~~for shower assemblies including a showerhead~~, comprising:

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6 A) A shower assembly including a showerhead:

7  
8 [[A)] B) temperature sensing means having a first input connected  
9 to a shower arm of said shower assemblies and a first output generating a  
10 voltage signal as a function of temperature sensed by said first input;

11  
12 [[B)] C) computerized microprocessor means having a second  
13 input connected to said first output for processing said signal to generate a  
14 second output signal; and

15  
16 [[C)] D) display means connected to said second output signal.

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18 2. (Currently Amended). An electronic shower temperature  
19 display device which can be easily retrofitted onto an existing shower arm  
20 and showerhead assembly of a shower system for a water delivery system  
21 that consist of either a dependent or independent hot and cold controls  
22 prior to a mixing chamber, comprising:

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24 A) a temperature sensor-coupling unit having a substantially  
25 cylindrical shape with first and second ends, said first end having  
26 female threading and said second end having male threading, said  
27 first end being removably secured to said shower arm and said  
28 shower head being removably secured to said second end housing

1 including a temperature sensor selected from the group consisting of  
2 a thermocouple, thermistor, a resistance temperature detector (RTD),  
3 an integrated circuit temperature sensor or a temperature-to-fluid  
4 pressure transducer;

5  
6 **B)** a panel support bracket comprising a cylindrical ring, and said  
7 sensor-coupling unit snugly fitting within said ring; and

8  
9 **C)** a temperature display adjustable display panel assembly  
10 including audible alarm means selected from the group consisting of an  
11 electromechanical buzzer, a piezo transducer or a speaker tone driven  
12 circuit and having a microprocessor-based circuitry with means to display  
13 real-time water temperature, said microprocessor-based circuitry  
14 communicating with said temperature sensor by means of a removable  
15 conducting cable, said microprocessor-based circuitry housed within said  
16 adjustable display panel assembly, said adjustable display panel assembly  
17 further comprising a battery power source including an electric dry cell  
18 battery communicating with and supplying power to said microprocessor-  
19 based circuitry, said adjustable display panel assembly further comprising  
20 a manual control interface communicating with said microprocessor-based  
21 circuitry conductivity sensor, connected to said microprocessor-based  
22 circuitry to monitor signals from said temperature sensor and said  
23 conductivity sensor there detecting the water temperature passing through  
24 said shower arm and said showerhead assembly manual control interface  
25 communicating with said microprocessor-based circuitry, said  
26 microprocessor-based circuitry monitors both water temperature and the  
27 presence or absence of water through said shower arm and said  
28 showerhead assembly including a programmable memory storage system

1 used for retrieving multi-user temperature settings having at least one  
2 programmable predetermined temperature warning set to activate said  
3 audible alarm means.

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5 3. (Canceled).

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7 4. (Canceled).

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9 5. (Canceled).

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11 6. (Canceled).

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13 7. (Canceled).

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15 8. (Canceled).

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17 9. (Canceled).

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19 10. (Canceled).

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21 11. (Canceled).

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23 12. (Canceled).

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25 13. (Canceled).

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27 14. (Canceled).

1        15. (Currently Amended). The electronic shower temperature  
2 display device set forth in claim ~~[[14]]~~ 2, further characterized in that said  
3 adjustable display panel assembly connects to a flexible joint to allow said  
4 adjustable display panel to swivel, slide, or shift position in order to  
5 provide an alternate viewing angle.